

Date: Fri, 5 Nov 93 04:30:25 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #94
To: Ham-Equip

Ham-Equip Digest Fri, 5 Nov 93 Volume 93 : Issue 94

Today's Topics:

 converter for shortwave band?
 Help
 Help with DJ-560T
 ICOM IC-2330A
 Kenwood TS440S/AT and ICOM IC-32AT
 Microwave wireless cable
 Replacement parts for Heathkit equipment (HD-10 keyer)?
 Test equipment, duplexers for sale
 Type Accepted ham HT's?? (2 msgs)

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 4 Nov 1993 17:50:16 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!asuvax!ncar!noao!stsci!
hodge@decwrl.dec.com
Subject: converter for shortwave band?
To: ham-equip@ucsd.edu

I have a Kenwood R-599D ham-band HF receiver that I'm very happy with,
except that I would like to be able to receive shortwave broadcast
frequencies as well as ham bands. Does anyone know of a company that
makes a converter to give general coverage (something like 3 to 30 MHz)
to a ham-band-only receiver?

Phil (hodge@stsci.edu)

Date: 2 Nov 93 23:02:50 GMT
From: ogicse!hp-cv!hp-pcd!hpspk1a!hpspk7ch.spk.hp.com!elliott@network.ucsd.edu
Subject: Help
To: ham-equip@ucsd.edu

Keywords:

Hello Folks.

I need your opinions on the following rigs:

- a. TS940SAT
- b. TS850S
- c. FT990
- d. IC737
- e. FT767

They all have a similar price tag. I'm curious to know your opinions.

Regards

Date: 4 Nov 93 16:06:46 GMT
From: sdd.hp.com!swrinde!menudo.uh.edu!usenet@hplabs.hp.com
Subject: Help with DJ-560T
To: ham-equip@ucsd.edu

Help! I recently bought an Alinco DJ-560T, and have discovered the wonderful world of uninformative, unintelligible radio manuals. I have two questions; one, what is the pinout for the speaker/mic on the top of the radio (so I can interface a TNC) and second, I heard rumors that this radio was crossband-repeat capable. Help!

--John Roe N2HAQ
st3fd@jetson.uh.edu

Date: Wed, 3 Nov 1993 14:23:53 GMT
From: mdisea!mothost!merlin.dev.cdx.mot.com!davidk@uunet.uu.net
Subject: ICOM IC-2330A

To: ham-equip@ucsd.edu

Does anyone have any experience or comments about the IC-2330A Mobile radio?

Date: Wed, 03 Nov 1993 08:54:56 -0700
From: orca.es.com!cnn.sim.es.com!msanders.sim.es.com!user@uunet.uu.net
Subject: Kenwood TS440S/AT and ICOM IC-32AT
To: ham-equip@ucsd.edu

In article <2b49gd\$e2g@lsi.lsil.com>, dsteele@lsil.com (David Steele KE6BID) wrote:

> I am considering buying the above equipment second hand, along with a GAP DX-VI and Batternut HF-6VX antennas, power supply for the HF rig, and some assorted bits and pieces. Both radios are about 4 years old.
> Could anyone who has or currently owns either radio give me an opinion on them. The asking price is \$1400 for the package.
> Thanks in advance...

Dave:

Our Ham club owns a TS-440S and I really love it. It is easy to use, works well, and has some good features. I am about 3 months new to HF, so can't give you a complete rundown, and we do use an external antenna tuner to a triband beam and a folded dipole. I am leaning towards the TS-450SAT though, since I would like to have the included computer interfaces and use HAMWindows. A posting last week listed actual transactions for HF rigs, and I will add the Kenwood portion of that list at the end of this mssg. The package price sounds just a little high to me, depending upon the options installed in the radio for filters, etc. Again, I am not the expert, but just my opinion.

KENWOOD

TS-120S	OnAir	\$300	none	fair condn
TS-120S	Usenet	\$350	PS	fair condn
TS-140	Private	\$550	none	new condn,7/93
TS-140	Private	\$700	CW flt	new condn,7/92
TS-180S	Usenet	\$450	FC,CW flt	fair condn
TS-430S	Private	\$500	none	good condn
TS-430	Private	\$600	FM bd	good condn
TS440S/AT	OnAir	\$750	2 flt, ant tuner	new condn
TS440S/AT	OnAir	\$850	2 flt, ant tuner	new condn
TS-520	OnAir	\$300	None	good condn
TS-520	Private	\$350	mic,manual,meter	good condn

TS-520	Private	\$450	Heath amp,mic	good condn
TS-520S	Private	\$300	Heath amp,mic	FC, good condn
TS-520S	Usenet	\$375	CW flt,MFJ tuner	good condn
TS-520SE	YlloSht	\$350	VFO,spkr	
TS-520SE	OnAir	\$500	VFO,spkr,CW flt, mic	
TS-530S	Private	\$425	none	good condn
TS-530S	Private	\$550	spkr,desk mic	good condn
R-599A + T	Private	\$175	separate Rcvr/Xmtr	needed repair
TS-690	OnAir	\$1800	CW flt,PS,stab,VM	new condn, w/6m
TS-820	Hamfest NJ	\$400	none	fair condn
TS-820S	Usenet	\$165	none	needed repair
TS-820S	Usenet	\$575	CW flt,MFJ ant tr, spare finals	prob with display
TS-830S	Hamfest LA	\$600	none	good condn
TS-830S	Hamfest Cincin	\$600	none	good condn
TS-830S	Retailer	\$650	desk mic	good condn
TS-850S/AT	OnAir	\$1250	3 flt, ant tunr	new condn
TS-940SAT	Usenet	\$1150	spkr,desk mic, ant tunr,CW flt	good condn
TS-940SAT	Retailer	\$1450	VM,spkr,ant tunr	good condn
TS-950S	Retailer	\$2000	none	good condn
TS-950S	Retailer	\$2000	all options	new condn

Sorry, didn't keep the name of the contributor, would like to give him credit.

Milt

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Opinions, thoughts, &cetera are my own (when I can remember them).

"He flies the sky
Like an Eagle in the eye
of a hurricane that's abandoned."

America

KB7MSF/AG
Amateur Radio
"Sandman"
Utah

Date: Thu, 04 Nov 1993 01:18:20 GMT
From: yuma!ALLISON100.HALLS.ColoState.EDU!catlin@purdue.edu
Subject: Microwave wireless cable
To: ham-equip@ucsd.edu

In message <SA055.33@getty.onu.edu>, Daniel Woodard (SA055@getty.onu.edu) wrote:

:> Does anyone out there know much about this subject? I have a lot of
:>questions, mostly because I just found out about wireless cable.

Look for my Wireless Cable TV FAQ in rec.video.cable-tv. It may answer a few
of your questions. If not, you are welcome to e-mail me and I will try to
answer any questions you have.

I am definitely not an expert, but I can usually point you in the right
direction for answers if I don't have them.

B. J. Catlin

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----- Brian J. Catlin                * Colorado State University -----
----- catlin@CS.ColoState.Edu         * Fort Collins, Colorado -----
----- bc338569@longs.LANCE.ColoState.Edu * (303) 495-2841 -----
-----
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Date: 3 Nov 93 15:17:20 GMT

From: swrinde!gatech!concert!duke!news.duke.edu!ee.ee.duke.edu!

jbs@network.ucsd.edu

Subject: Replacement parts for Heathkit equipment (HD-10 keyer)?

To: ham-equip@ucsd.edu

Is there any source for Heathkit equipment replacement parts?

I need some of the hardware for an HD-10 keyer.

-joe

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You spend the night
Like you were spending a dime
- Lyle Lovett

Date: 3 Nov 93 07:29:07

From: swrinde!gatech!europa.eng.gtefsd.com!library.ucla.edu!news.mic.ucla.edu!

unixg.ubc.ca!nntp.cs.ubc.ca!mpgate!newshost!gjernes@network.ucsd.edu

Subject: Test equipment, duplexers for sale

To: ham-equip@ucsd.edu

November 3, 1993

I don't know if my last post went out when I put distribution as NA.
Does this not mean North America?

I quote the following equipment in Canadian dollars. Of course, I will accept US dollars at the going exchange rate and conversion fee. For convenience, I've put the US price (using 78 cents per Canadian \$ exchange rate) beside the Canadian price. The US figure will change with exchange rate. Shipping is not included in the price.

VHF Sinclair Model Q202 duplexer

4 7-inch cavities

About 75dB isolation

Tuned to the frequencies of your choice

Very good condition. \$400 Can, \$312 US

UHF Sinclair Model Q3220-E duplexer

Newer style Rectangular with 4 cavities

I think about 80dB isolation

Tuned to the frequencies of your choice

Excellent condition. \$500 Can, \$390 US

HP 8654A Signal Generator

Frequency Range: 10 MHz to 520 MHz

Amplitude Output: +10 to -130 dBm calibrated power output

Modulation: AM and FM modulation

Size: 7" x 10.5" x 12"

Excellent Condition

Price: \$500 Canadian, \$390 US

HP 3200B VHF Oscillator

Frequency Range: 10 MHz to 500 MHz

Amplitude Output: up to +20 dBm uncalibrated

Modulation: CW, AM and Pulse modulation

Size: 7" x 8" x 12"

Good Condition

Price: \$200 Canadian, \$156 US

HP 5382A 225 MHz Frequency Counter

Frequency Range: 0 MHz to 225 MHz (actually near 300 MHz)

Number of digits: 8 LED

Gate Time: .1s, 1s, 10s

Attenuator: x1, x10, x100

Good Condition

Price: \$250 Canadian, \$195 US

Radiometer Copenhagen Type AFM2 Modulation Meter

AM and FM modulation

7 MHz - 1 GHz

Good condition. \$250 Canadian, \$195 US

FM/AM Modulation Meter Marconi TF2303
25 MHz - 520 MHz
Good Condition. \$250 Can, \$195 US

HP 3550B Test Set (Audio)
Includes:
HP204C Audio Generator
5 Hz to 1.2 MHz
600 ohm output
HP 353A Patch Panel
0 to 110 dB attenuator in 1 dB steps
135, 600, 900 ohm, and bridge impedances
HP 403B Audio RMS voltmeter
.001 to 300 Volts (-50 to +50 dB)
600 ohm input
Excellent condition. \$350 Can, \$273 US

Spectronic Power Supply model SPS 40-10
Variable Voltage limiting from 0-40 volts
Variable current limiting from 0-10 amps
About 19" wide, 11" tall, 12" deep. and Heavy
Good condition. \$150 Canadian, \$117 US

Harrison Laboratories 810B Power Supply
Variable Voltage limiting from 0-60 volts
Variable current limiting from 0-7.5 amps
About 19" wide, 5.25" tall, 17" deep. and Heavy
Good condition. \$150 Canadian, \$117 US

Phillips PM3233 Oscilloscope
Portable Oscilloscope
10 MHz Oscilloscope, rise time 35 nanoseconds
2 channel Dual Beam
2 mV/div - 10 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Triggering: Auto, Line, AC, DC, or Television
calibrated sweeps from .5 sec/div - 0.2 microsec/div
A x5 magnifier allows each sweep rate to be increased
Copy of service manual included
1 probe included
Good condition. \$250 Can, \$195 US

HP 1703A
DC-35 MHz Portable Oscilloscope
10 mV/div - 5 Volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Auto, normal, single sweep triggering
delayed time base

calibrated sweeps from 2 sec/div - 0.1 microsec/div
A x10 magnifier allows each sweep rate to be increased 10x for 10 nanosec/div
1 Probe included
This is a "Storage" Oscilloscope, but the storage is below specification,
but is still good for low frequency storage, and excellent in non-storage
mode.
Very good condition. \$350 Can, \$273 US

HP 1707A

75 MHz Oscilloscope: 2 channel, delayed time base.
Portable Oscilloscope
Dual channel
10 mV/div - 5 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Auto, normal, single sweep triggering
calibrated sweeps from 0.2 sec/div - 0.1 microsec/div
A x10 magnifier allows each sweep rate to be increased 10x for 10 nanosec/div
delayed time base
Delayed and mixed sweep
Calibrated X-Y measurement supported
Can be operated from battery or AC lines
Power consumption is 45 watts
Copy of service manual included
60 MHz Tektronix P6120 probe included
Very good condition. \$450 Can, \$351 US

Tektronix 7613 Lab Storage Oscilloscope

7B53A Dual Time Base for 100 MHz scope
7A18 Dual Channel Vertical Amplifier
5 mV/div - 5 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Auto, normal, single sweep triggering
calibrated sweeps from 5 sec/div - 50 nanosec/div
A x10 magnifier allows each sweep rate to be increased 10x for 1 nanosec/div
delayed time base
Delayed and mixed sweep
Calibrated X-Y measurement supported
60 MHz Tektronix P6120 probe included
Good condition. \$500 Can, \$390 US

Tektronix 7623 Lab Storage Oscilloscope

7B53AN Dual Time Base for 100 MHz scope
7A18N Dual Channel Vertical Amplifier
5 mV/div - 5 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Auto, normal, single sweep triggering
calibrated sweeps from 5 sec/div - 50 nanosec/div
A x10 magnifier allows each sweep rate to be increased 10x for 1 nanosec/div

delayed time base
Delayed and mixed sweep
Calibrated X-Y measurement supported
60 MHz Tektronix P6120 probe included
Good condition. \$450 Can, \$351 US

Phillips PM3260 Oscilloscope

Portable Oscilloscope
120 MHz Oscilloscope: 2 channel, delayed time base,
Dual channel
DC-120 MHz vertical system
5 mV/div - 2 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Auto, normal, single sweep triggering
calibrated sweeps from 1 sec/div - 0.05 microsec/div
A x10 magnifier allows each sweep rate to be increased 10x for 5 nanosec/div
delayed time base
Delayed and mixed sweep
Calibrated X-Y measurement supported
Power consumption is 45 watts
Copy of service manual included
100 MHz Tektronix P6105 probe included
active probe power receptacles.
Excellent condition. \$550 Can, \$429 US

Tektronix 475A Oscilloscope

Portable Oscilloscope
With DM44 option DVM on top for reading time differences, frequency, and a
general purpose VOLT OHM AMP meter showing dual high intensity markers for
time difference or frequency measurements.
Dual channel
DC-250 MHz vertical system
5 mV/div - 100 volts/div on channels 1 and 2
Vertical vernier permits continuous adjustment between steps
Dual Bandwidth limit switch allows viewing of low-frequency, low-level
signals with reduced interference from signals above 20 or 100 MHz
Auto, normal, single sweep triggering
calibrated sweeps from 5 sec/div - 10 nanosec/div
A x10 magnifier allows each sweep rate to be increased 10x for 1 nanosec/div
delayed time base
Delayed and mixed sweep
Calibrated X-Y measurement supported
active probe power receptacles
Copy of service manual included
300 MHz Tektronix P6106 probe included
Time base knob is a little flakey. \$700 Can, \$546 US

Murray

Home Phone (604)465-9127
Work Phone (604)293-5340

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gjernes@mprgate.mpr.ca
Murray B. Gjernes P.Eng. VE7MBG Tel: (604)293-5340
MPR Teltech Ltd, 8999 Nelson Way, Burnaby, B.C. Fax: (604)293-6131
Canada V5A 4B5 Telex: 043 56628

Date: 4 Nov 93 18:47:17 GMT
From: sdd.hp.com!col.hp.com!srngenprp!mikew@hplabs.hp.com
Subject: Type Accepted ham HT's??
To: ham-equip@ucsd.edu

A fellow ham-firefighter mentioned hearing that some of the newer 2m HTs from folks like Icom might be FCC type accepted for use in the commercial/public safety bands.

It sounds like wishful thinking to me (I wish too!). Is anyone aware of an HT sold to the ham market (ie front-panel programmable, VFO, normal ham bells and whistles) and that meets certification for nonham use such as FCC part 22, 74, 80, or 90?

thanks,
-mike

Mike Weihman mikew@sad.hp.com N1DJE

Hewlett-Packard Co.	ARES/RACES EC, Rohnert Park/Cotati, CA
Microwave Instruments Division	
1212 Valley House Drive	Firefighter/EMT-D
Rohnert Park, CA 94928 USA	Penngrove Fire Protection District
(707) 794-4454	Penngrove, CA

Date: 5 Nov 93 01:37:01 GMT
From: sdd.hp.com!col.hp.com!bobw@hplabs.hp.com
Subject: Type Accepted ham HT's??
To: ham-equip@ucsd.edu

Dave Kinzer (kinzer@dtsdev0.sps.mot.com) wrote:

: This really should be in the FAQ. A type accepted radio must not be
: able to transmit out of the band it is type accepted for by any user

: selection. If you take a type accepted commercial radio and program
: an amateur frequency into it, it's type acceptance is VOID. You now
: have amateur equipment, not suitable for type accepted service.

: To be legal, you must have two radios. [Ham, and Service] Boaters have
: this problem all the time where it would be nice for a 2m/Marine VHF
: radio, and a HF Marine/Amateur radio, but it is not allowed.

: -dave

With the number of radios on the market that can be easily modified
to transmit "out of band", there are more and more folks using
one radio for both ham and <insert other radio service here>.
[Crystal ball = ON]
Its probably just a matter of time that this starts to cause real
problems. Frequency abuse will start to occur when these radios
fall into the wrong hands. "Hey, I can use any d*m* frequency I
want!" Expect this to cause the FCC to clamp down on the manufacture
or import of radios with out-of-band capability.

Remember, you heard it here first.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

End of Ham-Equip Digest V93 #94

